

Microsoft DevOps Solutions: Generating DevOps Process Documentation

ONBOARDING TO DEVOPS



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Learning Objectives



Design onboarding process for new employees

Assess and document external dependencies (e.g., integrations, packages)

Assess and document artifacts (version, release notes)



Module Overview



Key goals for DevOps adoption

Selecting development practices, team structure and tools

Using Azure DevOps projects and teams

Onboarding team members





A huge focus is around
people and process with
tools **last**.



Care should therefore be taken to ensure good processes are chosen and proper onboarding to help people participate fully.

“DevOps is the union of people,
process, and products to
enable continuous delivery of
value to our end users.”

- Donovan Brown

Evolution of Development Methodology

Plan

Design

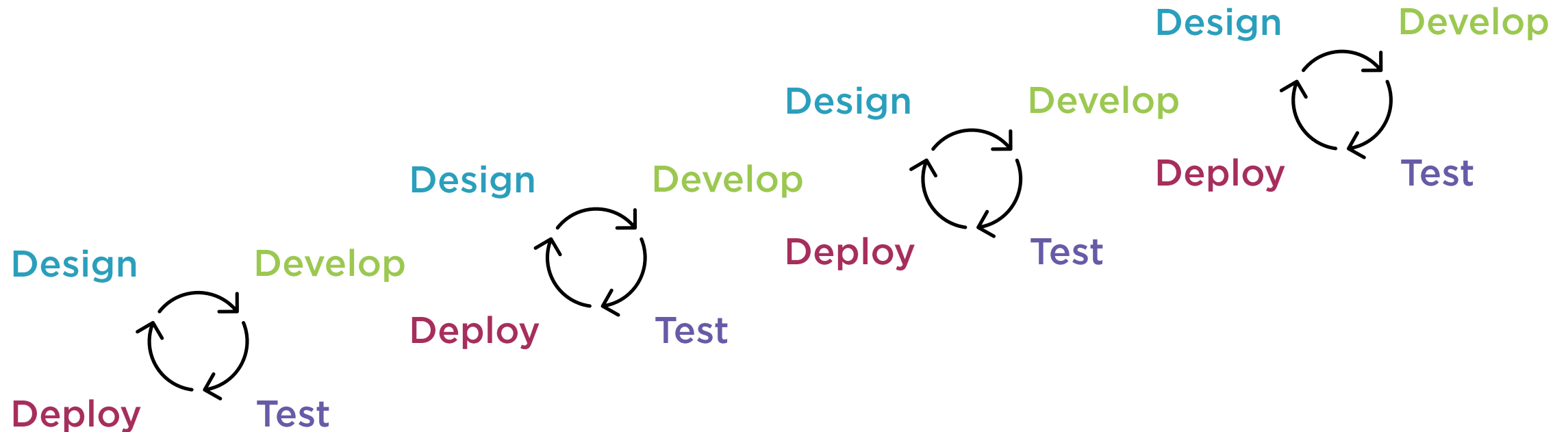
Develop

Test

Deploy

Waterfall

Evolution of Development Methodology



Agile

Azure DevOps Project Settings

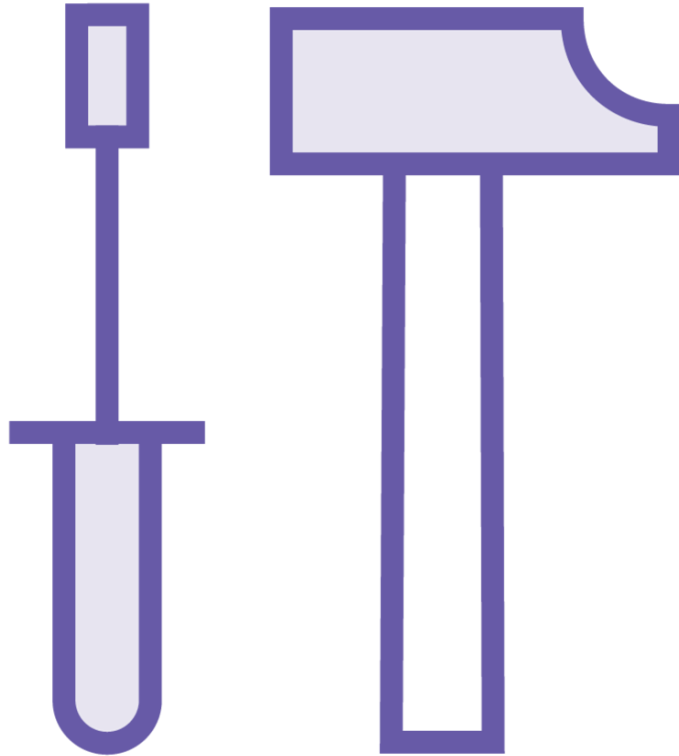


Your methodology is selected as part of your Azure DevOps project

This will drive naming and organization of resources, specifically around Azure Boards

This is also important when we think about documentation and automated its creation

Choosing Tools



There are several tools to consider based on requirements of the project

- Planning
- Repository
- Develop
- CI/CD
- Packages
- Testing
- Monitoring/insights

You don't have to pick one vendor

Organization in Azure DevOps



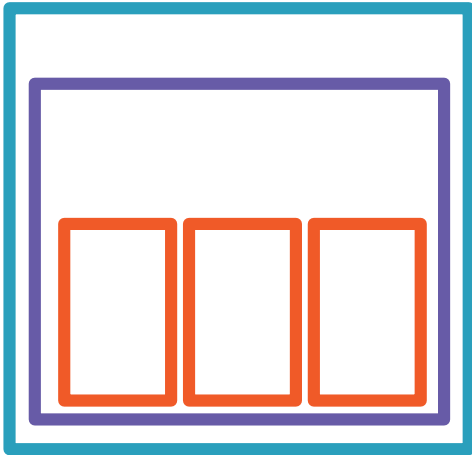
There are a number of structures in Azure DevOps

- Organization
 - Projects
 - Teams

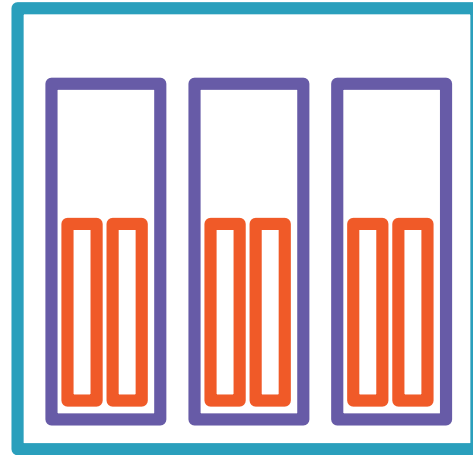
There are different approaches on how to use them

A project for a major boundary such as a solution then teams for each feature within it

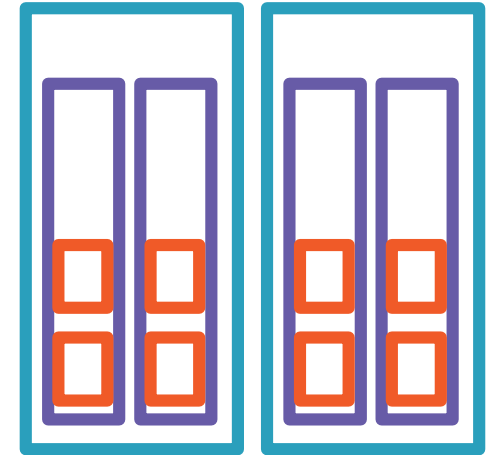
Primary Options



One project with many teams

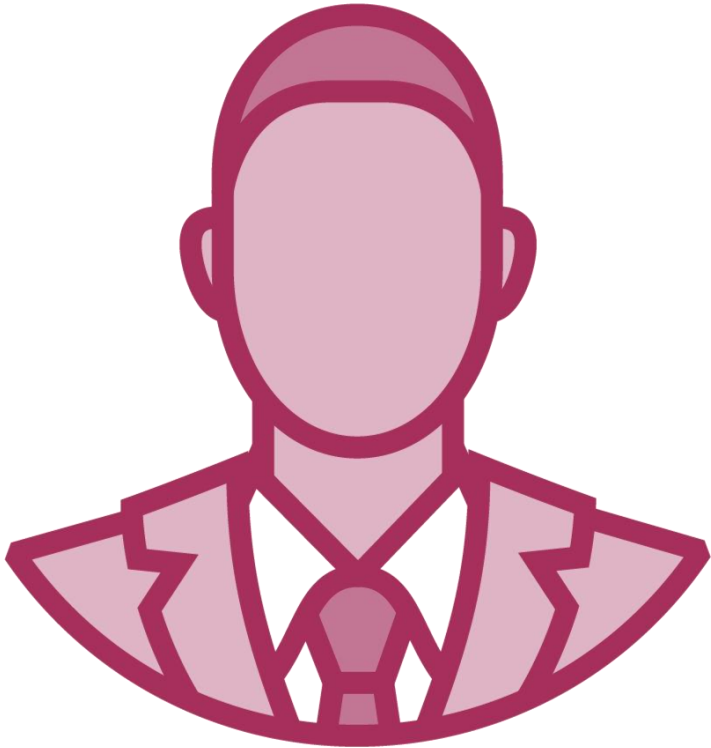


Many projects with many teams



Many organizations with many projects and teams

Onboarding The Organization



There is the concept of onboarding users to DevOps as an organization and then adding users as they join the company

When introducing to the company start small and incrementally expand scope

- Find hero users
- Demonstrate value to the company



Key User Onboarding Areas

**Guides for YOUR
processes and
tools**

**Where is
information found**

**Allocate proper
roles and access**

**Introduce to team
and assign mentor**

Training



Summary



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Next Up: Dependencies and Artifacts with Azure DevOps

